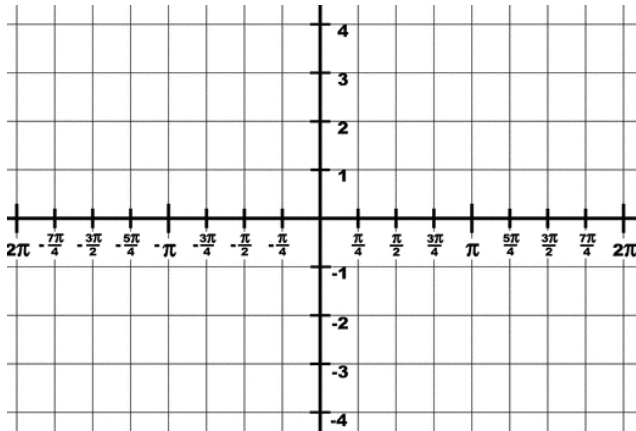
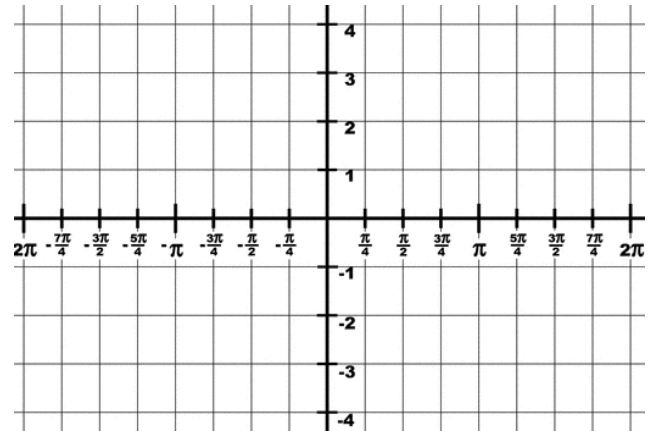


Graph each of the following on the provided graphs. State the period and amplitude of each function.

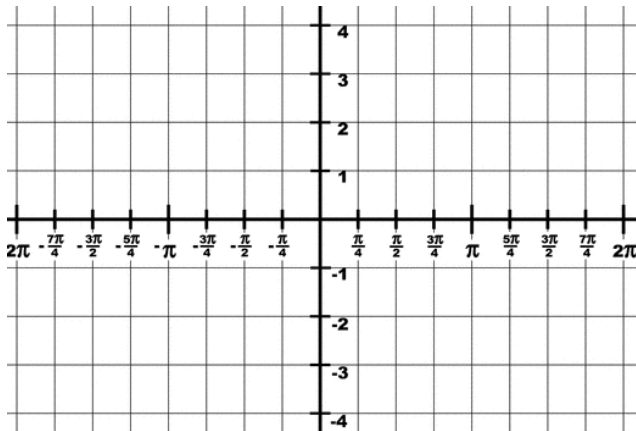
1. $y = \sin 4x$



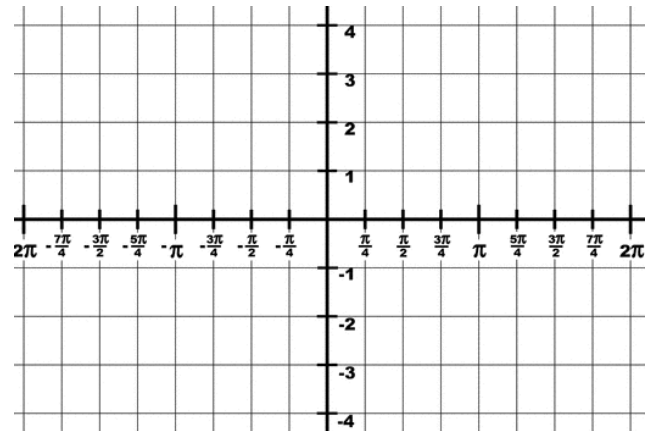
2. $y = \cos \frac{x}{4}$



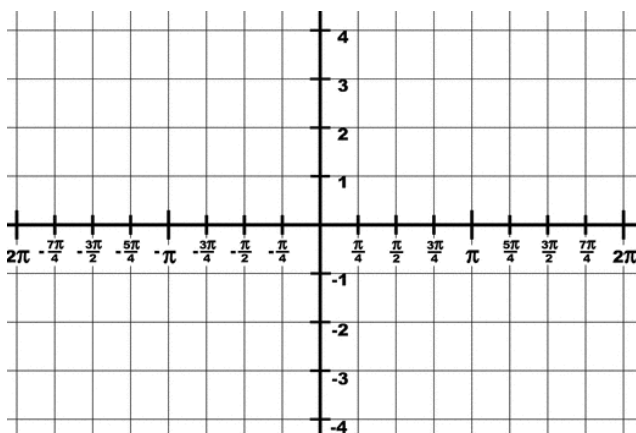
3. $y = 3 \sin \frac{x}{2}$



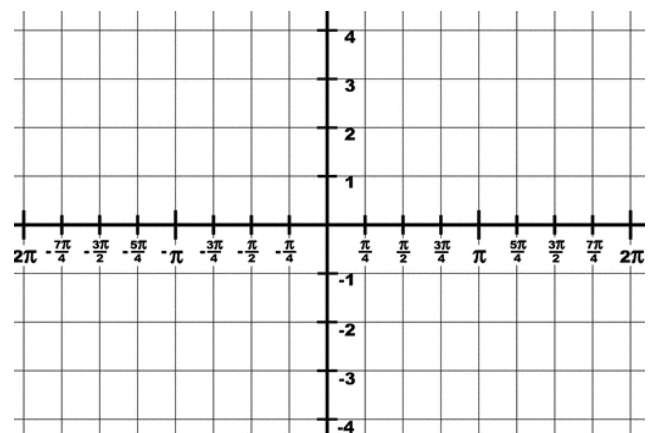
4. $y = -\cos 2x$



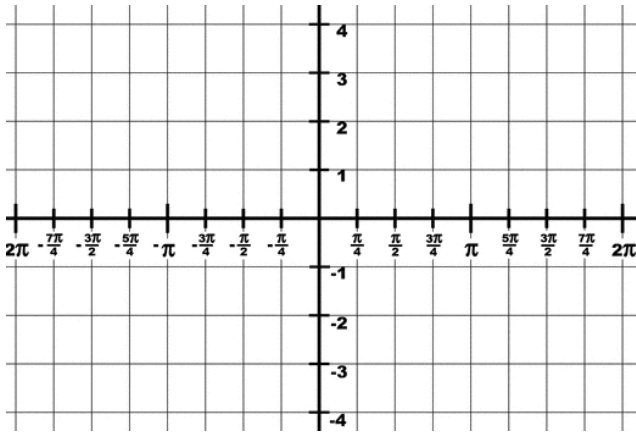
5. $y = \sin \left(x + \frac{\pi}{2} \right)$



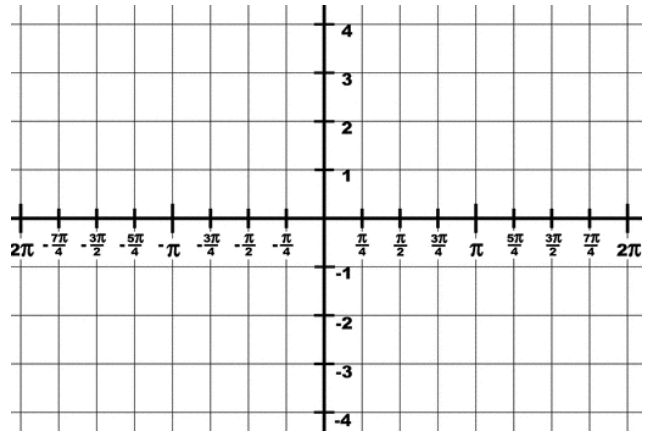
6. $y = \cos \left(x - \frac{\pi}{3} \right)$



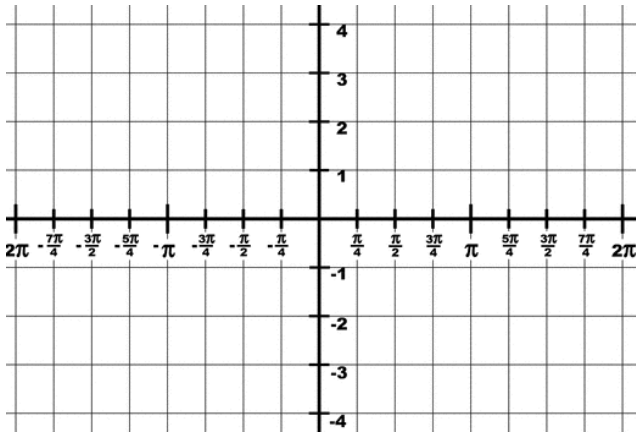
$$7. y = \sin\left(\frac{1}{2}(x + \pi)\right)$$



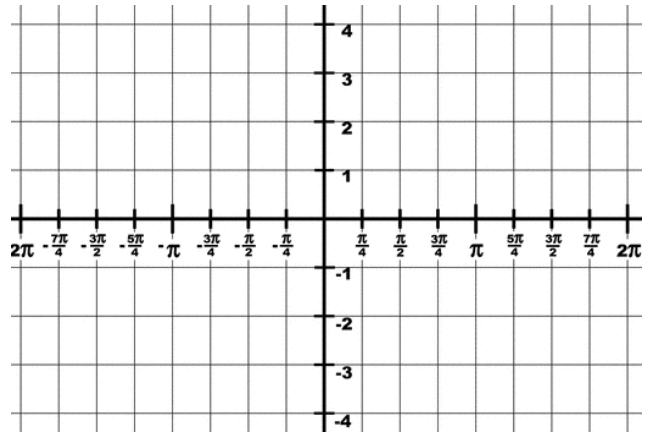
$$8. y = \cos\left(2\left(x - \frac{\pi}{4}\right)\right)$$



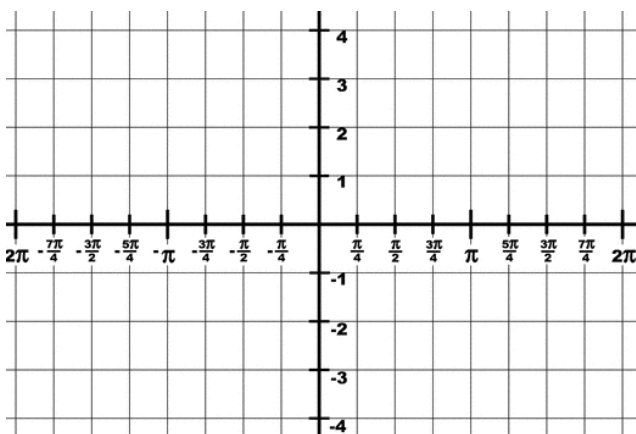
$$9. y = 2 \sin\left(2x + \frac{\pi}{2}\right)$$



$$10. y = 3 \cos\left(3x - \frac{3\pi}{2}\right)$$



$$11. y = 3 \sin\left(x + \frac{2\pi}{3}\right) + 1$$



$$12. y = 2 \cos\left(\frac{1}{2}\left(x - \frac{7\pi}{4}\right)\right) - 1$$

